

AMENDMENTS TO THE CLAIMS

Please amend claims 1-6. The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A flexible garment system which is capable of emitting heat when an electrical current is applied, the flexible garment system comprising an electrically insulating ~~fi~~~~bre~~ fiber base structure with an electrically and thermally conductive area and at least two yarn-based power supply lines, all of which are incorporated during the textile-manufacture-stage of the flexible garment system.

2. (Currently Amended) A- ~~The garment as described in~~ of claim 1 wherein the electrically insulating base structure is woven, knitted or non-woven fabric made of natural, regenerated or synthetic ~~fibres~~ fibers.

3. (Currently Amended) A- ~~The garment as described in~~ of claim 1 wherein the electrically and thermally conductive area ~~may be~~ comprises a woven, knitted or non-woven fabric made of ~~one of the following fibres~~ a fiber selected from the group consisting of:

- a.) Metal ~~fibres~~ fibers,
- b.) Carbon ~~fibres~~ fibers,
- c.) Metallised polymer ~~fibres~~ fibers,
- d.) Conductive polymer coated ~~fibres~~ fibers,
- e.) Conductive polymer ~~fibres~~ fibers, and
- f.) ~~or from~~ a combination of these materials.

4. (Currently Amended) A- ~~The garment as described in~~ of claim 1, wherein the electrically and thermally conductive area comprises a woven, knitted or non-woven fabric made of ~~fibres~~ fibers selected from the group consisting of metal fibres, carbon fibres, metallized polymer fibres, conductive polymer coated fibres, conductive polymer

fibres and a combination thereof, blended with a woven, knitted or non-woven fabric made of natural, regenerated or synthetic fibres.

5. (Currently Amended) A-The garment as described in claim 1 that is powered by connection to a self-contained power supply.

6. (Currently Amended) A-The garment according to claim 1 ~~which has a further comprising an additional~~ base structure with a thermally conductive area applied thereto ~~thus form a more advanced garment system.~~